



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090831

Mode: Highway

Status: Submitted

US-276 (Russ Avenue)

From/Cross Street: US 23/74

Specific Improvement Type: 1 - Widen Existing Roadway

To: US 23 Business (Main Street)

Project Category: Regional Impact

Length: 1.06

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$17,753,000

Description:

Russ Avenue Corridor Improvements and Pedestrian/Bicycle Enhancements

Division(s): Division 14

County(s): HAYWOOD

MPOS(s)/RPO(s): French Broad River MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 49.35

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 44.94	Percent: 15%	Percent: 15%
Safety (10%) 73.02	Points: 100	Points: 100
[Travel Time] Benefit/Cost (25%) 0.99		
Accessibility / Connectivity (10%) 5.66		
Totals: Weight: 70% Weighted Score: 19.35		

Division Needs Total Score: 66.49

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 44.94	Percent: 25%	Percent: 25%
Safety (10%) 73.02	Points: 100	Points: 100
[Travel Time] Benefit/Cost (20%) 0.99		
Totals: Weight: 50% Weighted Score: 16.49		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	33
Length (miles):	1.06
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	16985.57
Capacity:	26719.74
Volume/Capacity Ratio:	0.64
% Autos:	98%
% Trucks:	2%
Truck Volume:	378.83
Crash Density:	59.09
Crash Severity:	75.87
Critical Crash Rate:	84.12
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	84
Actual Congested Speed:	25.51
Travel Time Index:	1.31

Project Benefits

Project Cross-Section:	4G - 4 Lane Divided (17'-6" Raised Median) with Curb & Gutter, Wide Outside Lanes, Bike Lanes, and Sidewalks
Speed Limit:	35
Length (miles):	1.06
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	793539.93
Travel Time Savings for 30 Years (Autos):	775841.55
Travel Time Savings for 30 Years (Trucks):	17698.38
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 14

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 14	100%	100	100
	0%	0	0
	0%	0	0
TOTAL Division Points		100	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
French Broad River MPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$10,830,000	TIP Unit
Right-of-Way Cost:	\$6,181,000	Cost Estimation Tool
Utilities Cost:	\$742,000	Cost Estimation Tool
Total Project Cost:	\$17,753,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$17,753,000	